

TELEVISION RECEIVER

Instruction Manual

JCPenney



JCPENNEY COLOR TV RECEIVER

Owner's Instruction Manual

INTRODUCTION

Your new JCPenney Color TV receiver is a quality home entertainment electronic instrument which has been carefully designed and built to give you many hours of enjoyable television viewing.

The information in this manual will help you tune and adjust your new Color TV receiver to produce the clearest picture possible in your reception area. Also included is information which tells you how to select the best operating location within your home and how to properly care for your new Color TV receiver. A special section in this manual outlines specific procedures you can perform if you have difficulty tuning your receiver or if the picture display is abnormal.

We suggest that you carefully read this manual before operating your new Color TV receiver. The few minutes it will take you to read it will help assure that you receive the most enjoyment from your new JCPenney Color TV receiver.

IMPORTANT — Record in the space below the Model number and Serial number, which are located on the back of your T.V. Retain for future reference.

Model Number _____ Serial Number _____

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CHECK HERE BEFORE CALLING FOR SERVICE	16.

Note: Never remove the back cover of the set as this can expose you to very high voltage and other hazards. If the set does not operate properly, unplug the set and call your dealer or service shop.

NOTE:

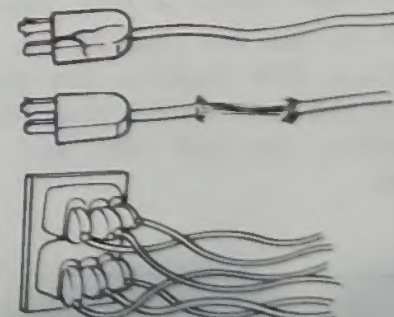
- This television set is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.



CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

- When the power cord or plug is damaged or frayed, unplug this television set from the wall outlet and refer servicing to qualified service personnel.

- Do not overload wall outlets and extension cords as this can result in fire or electric shock.



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INSTALLATION

ANTENNA

Unless your TV is connected to a cable TV system or to a centralized antenna system, a good outdoor color TV antenna is recommended for the best performance. However, if you are located in an exceptionally good signal area that is free from interference and multiple image ghosts, the indoor antenna may be sufficient.



LOCATION

Select an area where sunlight or bright indoor illumination will not fall directly on the picture screen. Also, be sure that the location selected allows a free flow of air to and from the perforated back cover of the set. To avoid deformation, color change and breakdown of the set, do not leave the set at a place where temperature rises high. For example, in a car with direct sunlight or near a heating apparatus, etc.

VIEWING

This color receiver may be viewed from any desired distance. Most viewers prefer a distance of three to six feet or more, depending on screen size, for maximum eye comfort.



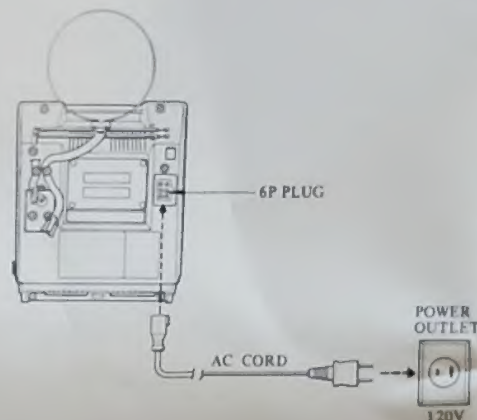
POWER SOURCE

This set operates on 120 volts, 60 Hz AC or 12 volts DC; two kinds of power source. (AC line cord and cigarette lighter connector are provided.)

TO USE AC POWER SOURCE

Use the AC line cord provided for operation on 120 volts AC. Insert the AC line cord into the 6P plug at the back of the receiver and insert the AC line cord plug into a 120 volts, 60 Hz outlet.

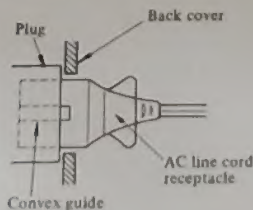
NOTE: NEVER CONNECT THE AC LINE CORD PLUG TO OTHER THAN THE SPECIFIED VOLTAGE OR TO DIRECT CURRENT. USE THE ATTACHED POWER CORD ONLY.



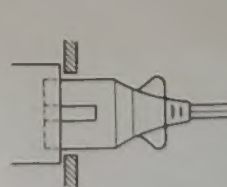
CAUTION:

When inserting the AC line cord receptacle into the plug at the back of the receiver, imperfect insertion could cause possibly trouble. Please insert the receptacle fully into the plug as illustrated below (example: "GOOD"). The convex guide should not be exposed from the back cover's surface.

"GOOD"



"NO GOOD"



Note: Never remove the back cover of the set as this can expose you to very high voltage and other hazards. If the set does not operate properly, unplug the set and call your dealer or service shop.

NOTE:

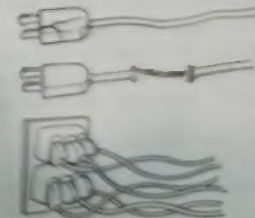
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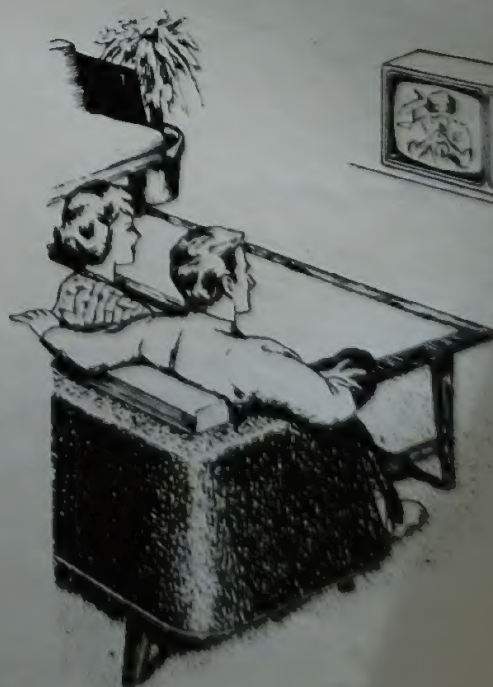
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POV

This se
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TO US

Use th
the 6P
60 Hz

NOTE:
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CAUTION

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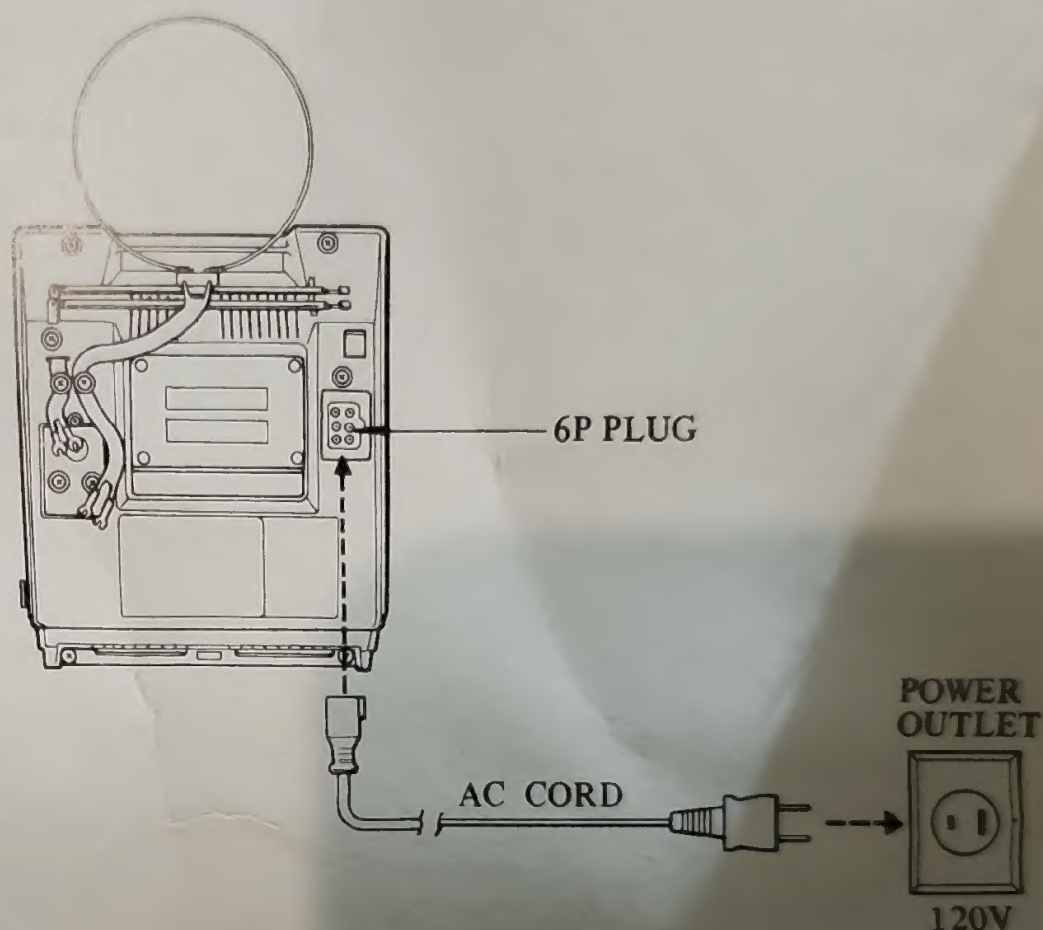
POWER SOURCE

This set operates on 120 volts, 60 Hz AC or 12 volts DC; two kinds of power source. (AC line cord and cigarette lighter connector are provided.)

TO USE AC POWER SOURCE

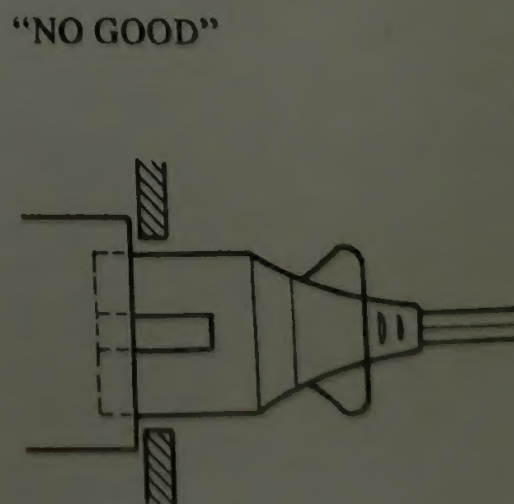
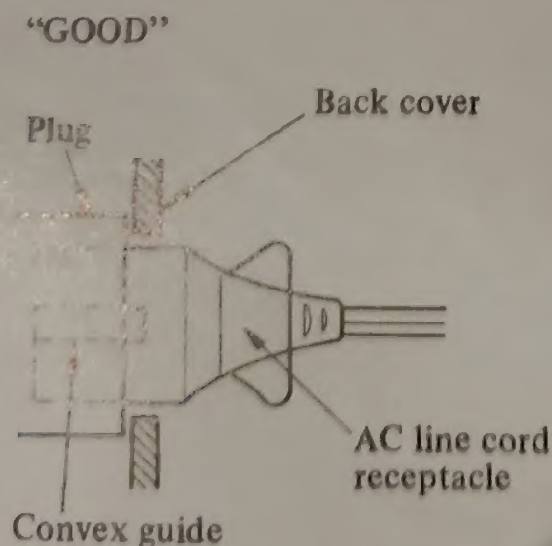
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(AC

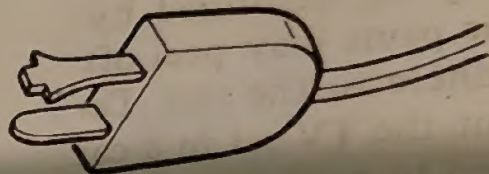
into
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POWER SOURCE

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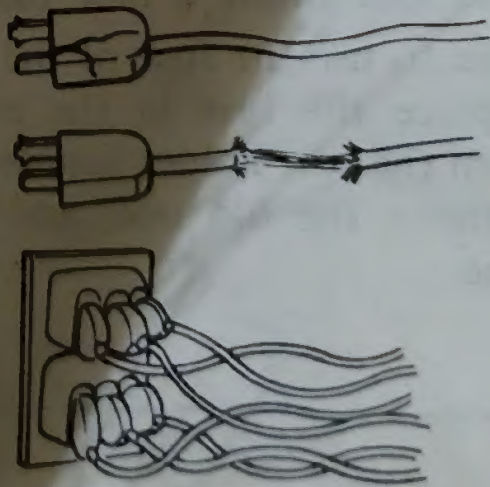
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POWER SOURCE

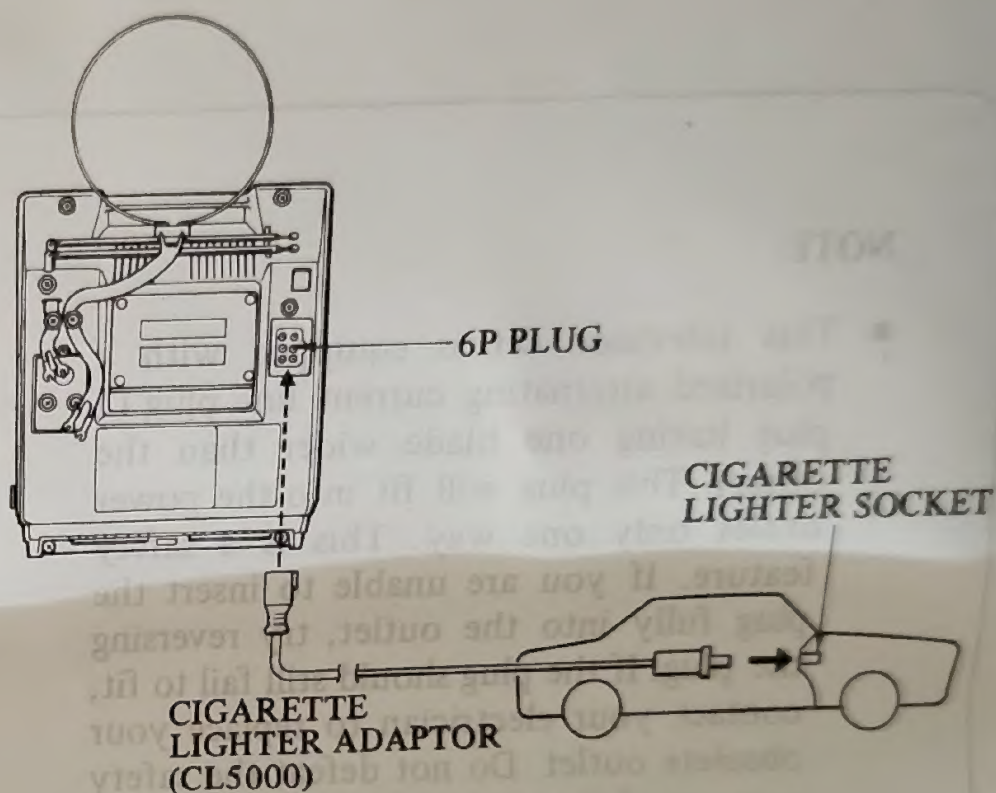
TO USE DC POWER SOURCE

Car battery operation

This receiver can be operated in an automobile having a 12-volt negative ground battery when used with the 12 volt cigarette lighter adaptor. Connect the receptacle of the adaptor to the 6P plug on the back side of the set, and plug the other end of the adaptor into the cigarette lighter socket in your car.

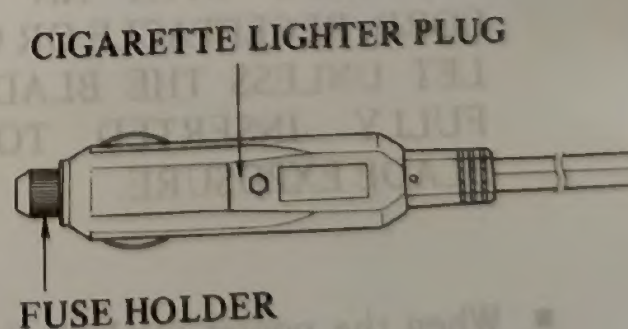
Caution during use in a car:

When the TV set is left inside a parked car in direct summer sunlight with the windows closed, the cabinet may be deformed by heat or paint may peel off and adhere to the seat. Do not put the TV set in a car exposed to sunlight.



Replacement of the Fuse in the cigarette lighter plug:

If the fuse in the fuse holder blows, remove the fuse and insert a new fuse (7A capacity). Be sure to use the fuse of the correct capacity. To replace the fuse in the cigarette lighter plug, turn the fuse holder counterclockwise, and then remove the old one, and replace with a new one.



NOTE * Be sure that the battery allows a discharge above seven amperes.

* The line of "white" on the DC car cord with cigarette lighter adaptor indicates the negative "ground" side.

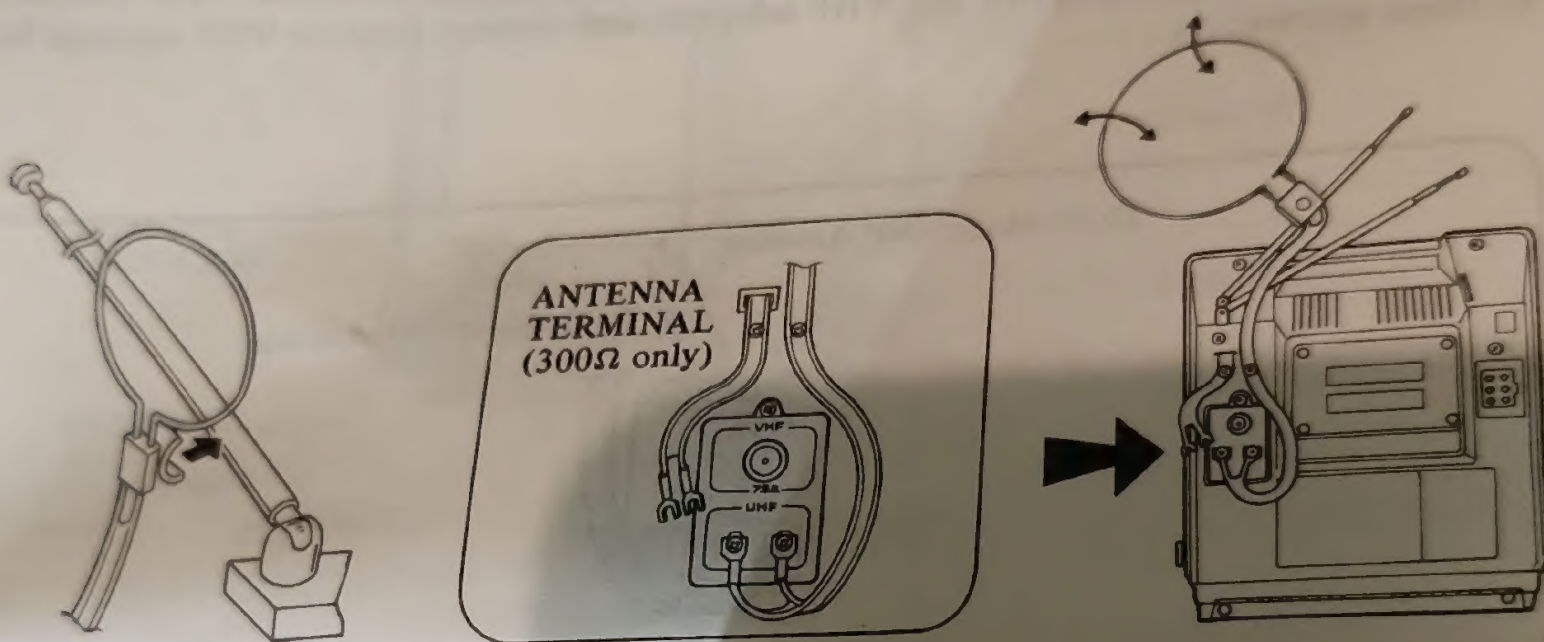
ANTENNA CONNECTIONS

Indoor antenna

This television set is equipped with VHF and UHF antennas. To obtain the best possible picture, use them as follows.

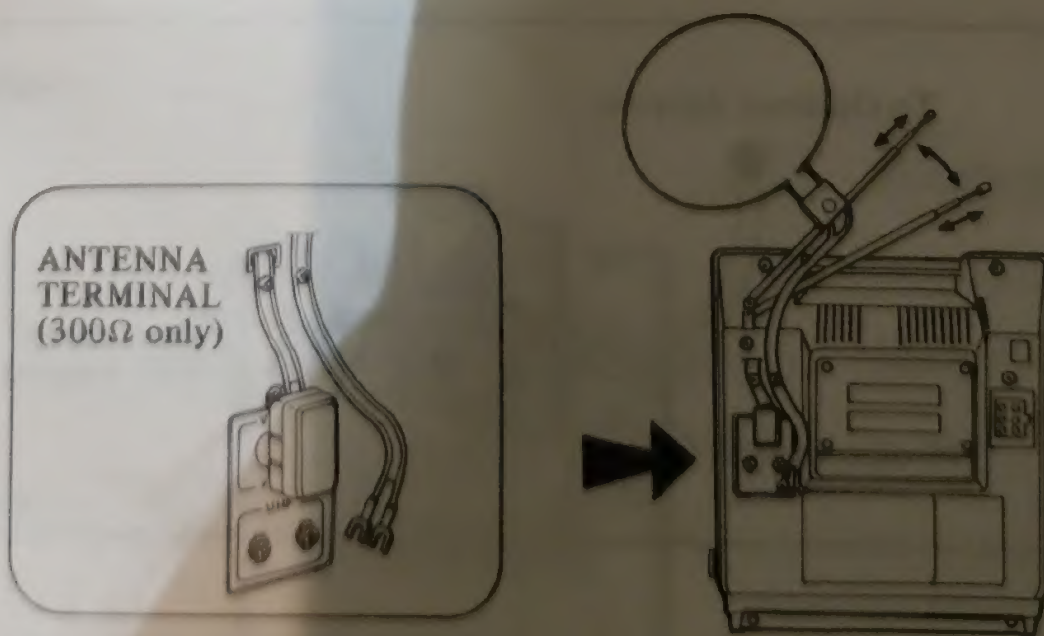
UHF Loop Antenna

The UHF Loop Antenna is designed to be attached to VHF Telescopic Antenna. Connect UHF Loop Antenna leads to the UHF screws of the Antenna terminal. And adjust direction and angle of UHF Loop Antenna for the clearest picture.



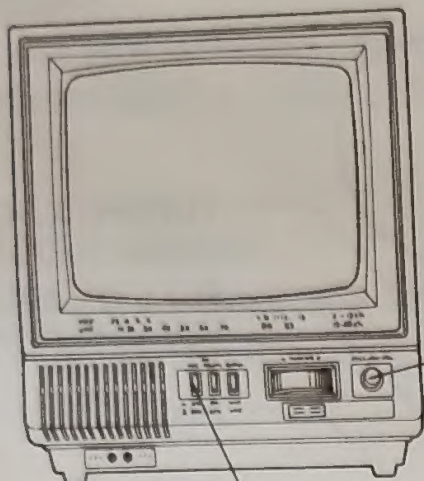
VHF Telescopic Antenna

Connect VHF Antenna leads to the screws of the VHF adaptor (packed in an envelope) and attach it to the VHF 75 ohm receptacle of the Antenna terminal. Extend the VHF Telescopic Antenna and adjust its length direction and angle for the clearest picture.



OPERATION

TURN THE POWER ON AND ADJUST VOLUME

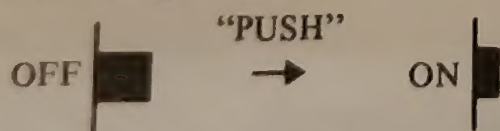


ADJUST AFC SWITCH

AUTOMATIC FREQUENCY CONTROL (AFC)

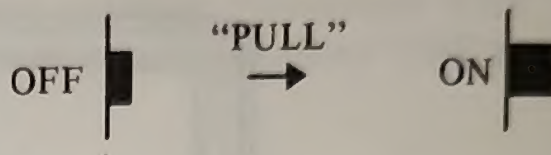
Your TV is equipped with Automatic Frequency control (AFC) to prevent channel "drifting" and to simplify the tuning adjustment on both VHF and UHF channels. To switch AFC "on" or "off", push the AFC switch to the "on" or the "off" position. Normally this switch should be at the "on" position.

NOTE: In case of extreme interference, or an extremely weak station, it may be desirable to operate the TV with the AFC switch disengaged. Disengage the AFC switch and fine tune the picture until it is bright and clear.



PULL-ON SWITCH & VOLUME CONTROL

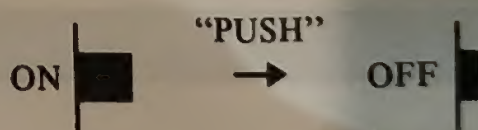
To turn your receiver on, gently pull outward on the pull-on switch & volume control.



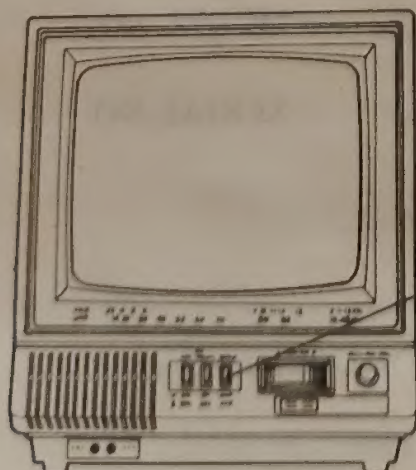
Rotate this knob to the desired volume level. To increase volume turn this knob to the right.



Push the knob in to turn the receiver off.

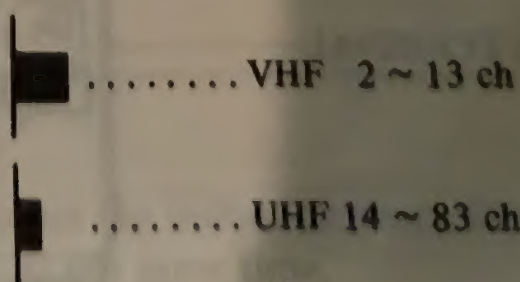


REQUIRED BAND SELECTION

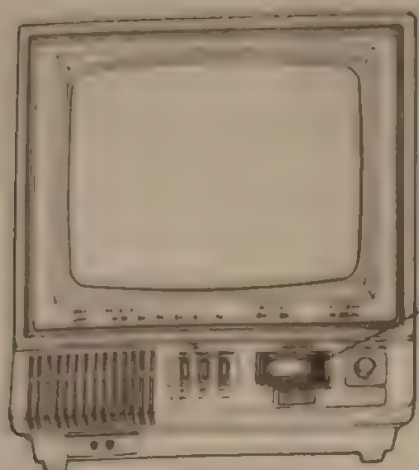


BAND SELECTOR

To select the required band, push the band selector switch depending on the channel you want.



CHANNEL TUNING PROCEDURE

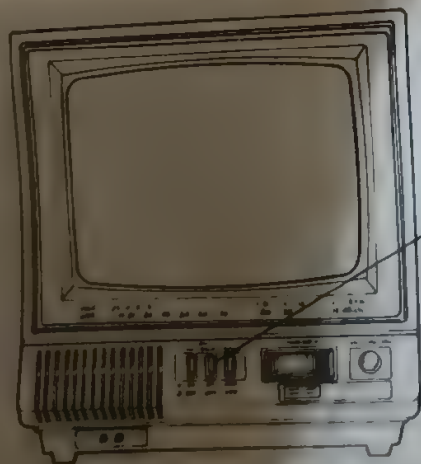


Tune to the required channel by rotating this tuning knob to the right or to the left through the following steps:

1. Disengage the AFC switch.
2. Rotate the tuning knob to the right or to the left until the colored line stops at the required channel in the channel indicator.
3. Fine-tune until the sharpest picture is obtained.
4. Finally push the AFC switch to the "on" position.

A line appears on the screen during tuning. The channel selected is indicated by the position of this line.

WHEN YOU WANT TO KNOW THE CHANNEL YOU ARE WATCHING



CHANNEL RECALL BUTTON

When you want to know the channel you are watching, press this button. A line appears on the screen to indicate the channel you are receiving.

VHF

When you are receiving
channel 2 ~ 13

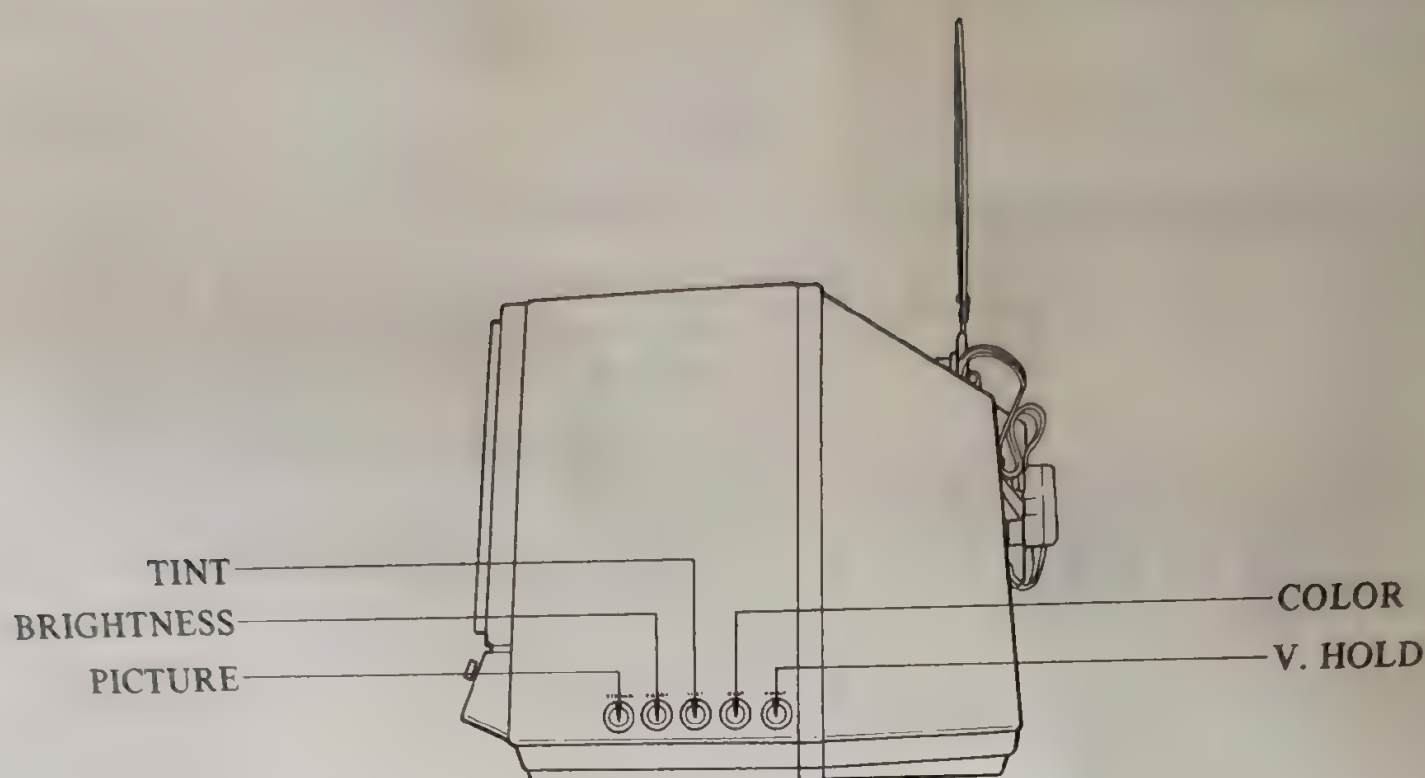


UHF

When you are receiving
channel 14 ~ 83



OPERATION



TINT

The Tint Control determines how faithfully the colors in the transmitted signal are reproduced by the receiver. Adjusting the Tint Control for natural facial tone is the best method of obtaining true color reproduction of the entire picture. At one end of its adjustment range fleshtones will be tinted purple and at the other end they will be green. With the Tint Control set at the point where fleshtones appear most true and natural, all other colors will be correct.

COLOR

The Color Control sets the intensity of the colors. This control should be set to where the colors appear normal in intensity and brilliance to you. Some programs may not be transmitted in color, if so, you cannot add color by adjusting this control.

BRIGHTNESS

When the Brightness Control knob is turned clockwise (right), the darker portions of the picture are lightened.

Note: The Brightness knob has a center click setting. Normally, this knob can be turned to the click-point setting.

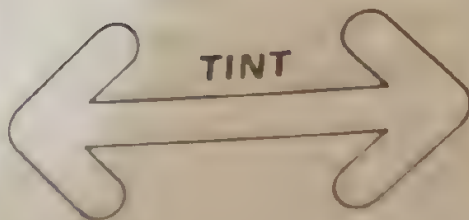
PICTURE

Picture Control is a knob which can adjust contrast, brightness and color all at once. When turned clockwise (right) contrast becomes greater and color deeper. Pictures become sharpest in the daytime (when surroundings are brighter) by increasing the contrast. In the evening hours (when surroundings are darker) the sharpest picture is obtained by reducing the contrast.

Adjust for the
best color picture



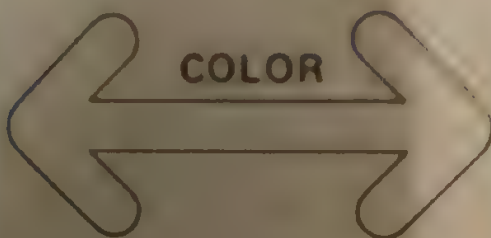
Too purple



Too green



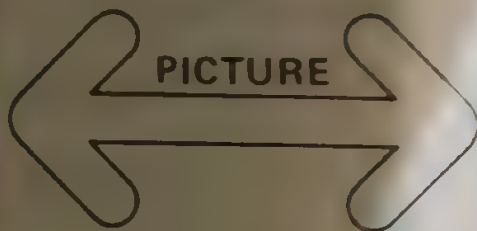
Too little color



Too much color



Daytime



Night

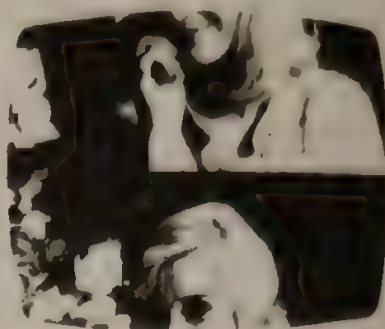
OPERATION(continued)

VERTICAL HOLD

If the picture is moving up or down ("rolling"), adjust the Vertical Hold control until the picture stops rolling. Then center the control in the middle of the holding range.

EARPHONE & RECORDING JACKS

Inserting the earphone into the left jack will silence the speaker in the TV and allow personal viewing without disturbing others. You can also utilize the right jack for tape recording TV sound with the speaker operating.



HOW TO REMOVE THE SUN SCREEN—

Hold the lower corners of the sun screen with fingers and pull outward gently to detach the lower portion of the sun screen. Then by pulling forward, the sun screen is released.

NOTE: When attaching the sun screen, press the lower part slightly to lock in place after inserting the upper part of the sun screen.

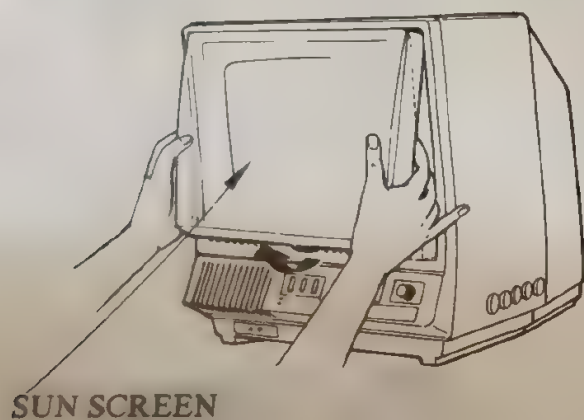


Fig. 1

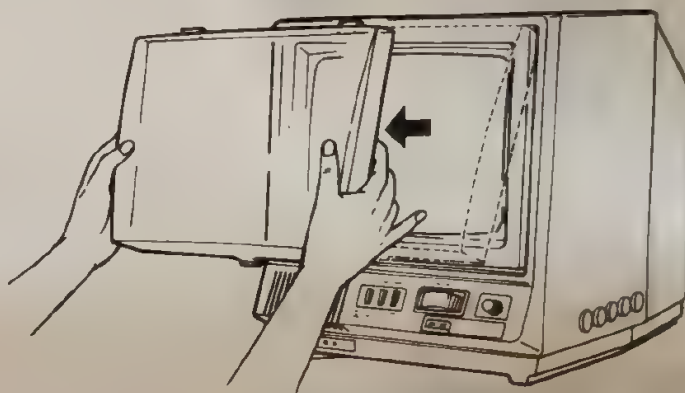


Fig. 2

OPTIONAL ACCESSORIES

The accessories listed below are available from most large JCPenney Stores or JCPenney Catalog. You may also use the enclosed order card and have the accessories shipped directly to your home. The accessories can be shipped COD or placed on your JCPenney, Visa, or Master Card charge account.

EXTERNAL BATTERY PACK

Retail #	Catalog #	JCPenney Part #	Retail
688-2786	858-3817	1011-2993	\$67.95

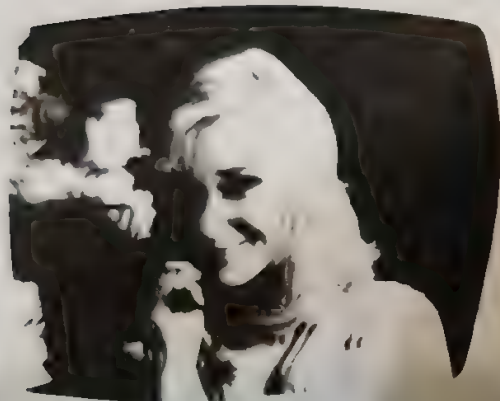
RECEPTION PROBLEMS(external to the TV)

The most common type of television disturbances are as follows:



● IGNITION NOISE:

Black spots or horizontal streaks may appear, picture may flutter or drift. Usually caused by interference from automobile ignition system, neon lamps, electrical drills and other electrical appliances.



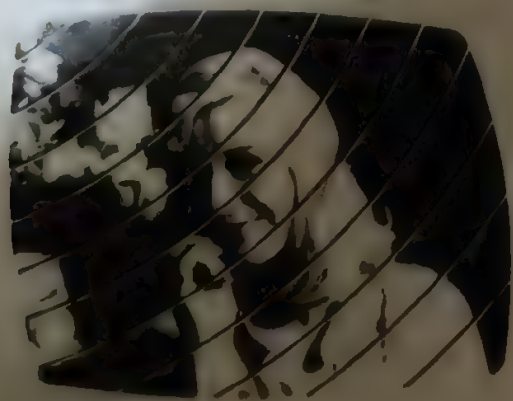
● GHOSTS:

Ghosts are caused by the television signal following two paths. One is the direct path and the other is reflected from tall buildings, hills or some other objects. Changing the direction or position of the antenna may improve the reception. Ghosting may also be caused by defects in the antenna system; such as unshielded lead-in or connecting several T.V. receivers to the same antenna without using multiple set antenna couplers.



● SNOW:

If your receiver is located in the fringe area of a television station where the signal is weak, your picture may be marred by the appearance of small dots. When the signal is extremely weak, it may be necessary to install a special antenna to improve the picture.



● RADIO FREQUENCY INTERFERENCE:

This interference produces moving ripples or diagonal streaks, and in some cases, causes loss of contrast in the picture.

CHECK HERE BEFORE CALLING FOR SERVICE

SYMPTOMS

No picture, no sound

Sound OK, poor picture

-Picture OK, poor sound

Picture blurred

Lines or streaks in picture

-Poor reception on some channels

-Picture rolls vertically

- No color

- Poor color

CHECK THESE ITEMS AND TRY THESE ADJUSTMENTS

Be sure power cord is plugged in.

Be sure TV is switched "ON"

Try another channel (station trouble)

Check antenna connections(back of TV)

Check antenna for broken lead-in wire

Check outside antenna

Check for local interference

**Adjust Fine Tuning
(check AFC switch)**

Adjust Vertical Hold control

Adjust Picture control

Adjust Brightness control

Adjust Color control

Adjust Tint control

Adjust Volume control

Adjust indoor antenna

MEMO

SERVICE

Please contact the nearest RCA factory service center if the need for service should ever become necessary. Consult the customer information packet included with your merchandise or the telephone directory white pages under RCA Service Co. for the nearest RCA Factory Service Center in your area. If an RCA Service Center is not located in your area, please contact the nearest JCPenney Store.

Distributed by JCPenney Company Inc., New York, N.Y. 10019

PLACE
STAMP
HERE

JCPenney

Parts Distribution Center 9496-1
6840 Barton Road
Morrow, GA 30260

SHIP TO

First Name

Middle Initial

Last Name

Street Address

City


State

Zip Code

Telephone Number

()

Check One



JCP Acct. No.


101

COD

10

Visa

Expiration Date



Master Card

MC Interbank #

Expiration Date

Fill in as complete as possible

Product Name: _____ Model No.: _____

Part Description: _____ Part No.: _____ Qty.: _____

Part Description: _____ Part No.: _____ Qty.: _____

Comments:

Customer Signature _____ Date: _____

Date: _____

JCPenney

LIMITED ADDITIONAL TWENTY ONE MONTH WARRANTY ON PICTURE TUBES

After the first ninety days from date of purchase, we will, for the following twenty one months, provide, a replacement (rebuilt) color picture tube, without charge, for this JCPenney Color Television if defective in material or workmanship. Labor of installation is not included. Just return it to the nearest RCA Factory Service Center for prompt service.

SERVICE INFORMATION FOR CATALOG CUSTOMERS

For Color Televisions purchased thru the Catalog, should service be needed during the warranty period contact an RCA Factory Service Center or JCPenney Catalog Department. If RCA Authorized Service is not available in your area, have any reputable serviceman do the repair. Send the receipted repair bill itemized as to parts and labor to the Catalog Distribution Center listed in the Catalog for your state, Attention: Customer Service Department, or bring the bill to any JCPenney Catalog Department, and we will reimburse you for the repair costs.

These warranties give you specific legal rights, and you may also have other rights which vary from state to state.

JCPenney Co., Inc., Product Service Department, Warranty Division, 1301 Avenue of the Americas, New York, New York 10019.

JCPenney

FULL NINETY DAY WARRANTY

Within ten days of purchase, we will repair or, at our option, will replace this JCPenney Color Television if it is defective in material or workmanship. Parts and labor are included. Just return it to a JCPenney store with the original packing, carton, and accessories.

For the balance of the 90 day warranty period we will repair this JCPenney Color Television if defective in material or workmanship. Parts and labor are included. Just return it to an RCA Factory Service Center for service. If an RCA Factory Service Center is not available in your area, contact a JCPenney store.

LIMITED ADDITIONAL NINE MONTH PARTS WARRANTY

After the first ninety days from date of purchase, we will, for the following nine months, provide replacement parts, without charge, for this JCPenney Color Television if defective in material or workmanship. Labor of installation is not included. Just return it to the nearest RCA Factory Service Center for prompt service.

SAFETY POINTS YOU SHOULD KNOW ABOUT YOUR TELEVISION

Only the most careful attention has been devoted to quality standards in the manufacture of your new television set. Safety is a major factor in the design of every instrument. But, safety is *YOUR* responsibility too.

This folder lists many helpful tips that will enable you to take fullest advantage of your new instrument. Please read it carefully and retain for later use.

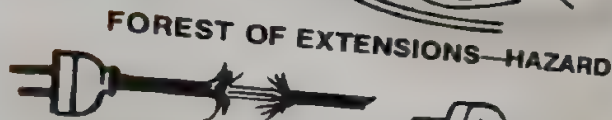
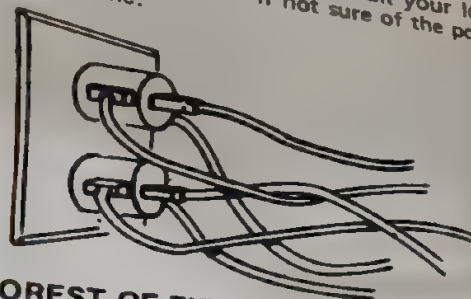
Note: Contents of this folder are based in part on information compiled as a public service by the Consumer Electronics Group of the Electronic Industries Association—2001 Eye Street, N.W., Washington, D.C. 20006.

INSTALLATION

1 Your TV set is equipped with a polarized AC line plug (one blade of the plug is wider than the other). This safety feature allows the plug to fit into the power outlet only one way. Do not defeat its purpose. Should you be unable to insert the plug fully into the outlet, try reversing the plug. Should it still fail to fit, contact your electrician.



2 Operate your TV set only from a power source as indicated on the set or refer to the Operating Instructions for this information. Consult your local power company or TV dealer if not sure of the power supply to your home.



3 Overloaded AC outlets and extension cords are dangerous, and so are frayed power cords, damaged or cracked wire insulation and broken plugs. They may result in a shock or fire hazard. Periodically examine the cord and have it replaced by your service technician if appearance indicates damage or deteriorated insulation.

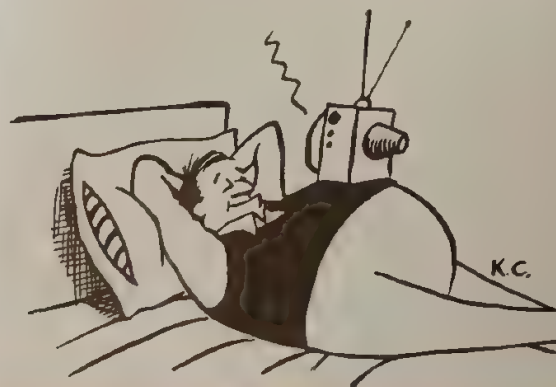
4 Do not allow anything to rest on or roll over the power cord, and do not place the TV set where power cord is subject to traffic or abuse. This may result in a shock or fire hazard.



POOR VENTILATION

5 TV sets are provided with ventilation openings in the cabinet to allow heat generated during operation to be released. If these openings are blocked, heat build-up within the TV set can cause failures which may result in a fire hazard. Therefore:

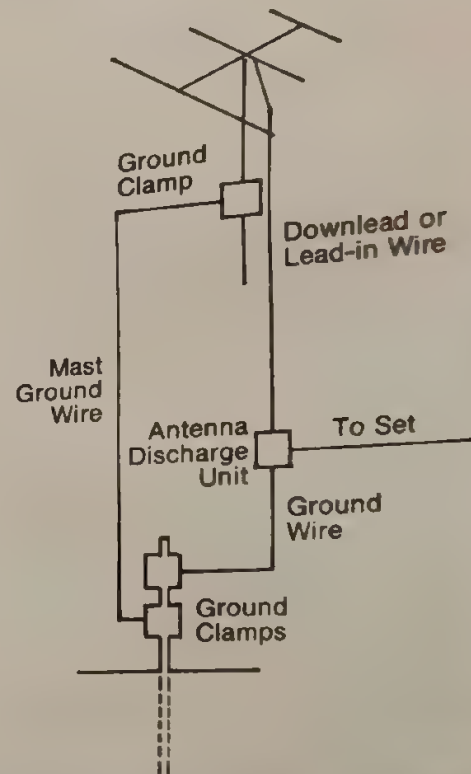
- Never block the bottom ventilation slots of a portable TV set by putting it on a bed, sofa, rug, etc.;
- Never place a TV set in a "built-in" enclosure unless proper ventilation is provided;
- Never cover the openings with cloth or other material;
- Never place the TV set or its power cord near or over radiator, heat register, heat lamp, etc.
- Periodically clean the ventilation slots with the plastic crevice attachment on your vacuum cleaner.



6 Installing an outdoor antenna can be hazardous and should be left to a professional antenna installer.

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

If an outside antenna is connected to the TV set, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Section 810 of the National Electrical Code, NFPA No. 70 1975, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. (See example below.)

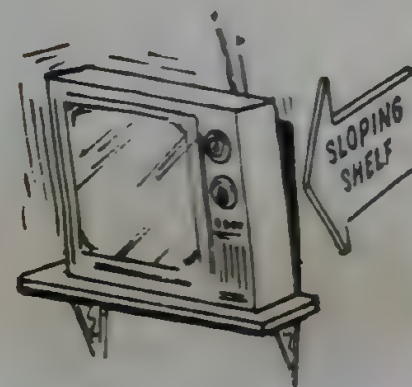


Suitable Grounding Electrode Driven 8 Feet Into The Earth

- Use No. 10 AWG copper or No. 8 AWG aluminum or No. 17 AWG copper-clad steel or bronze wire, or larger as ground wires for both mast and lead-in
- Secure lead-in wire from antenna to antenna discharge unit and mast ground wires to house with stand-off insulators spaced from 4 feet (1.22 meters) to 8 feet (1.83 meters) apart
- Mount antenna discharge unit as close as possible to where lead-in enters house

7 Wall and shelf mounted installations should use factory approved mounting instructions

8 Never operate a TV set in a tilted position. It is designed to operate on a flat, horizontal surface.



SLOPING SHELF

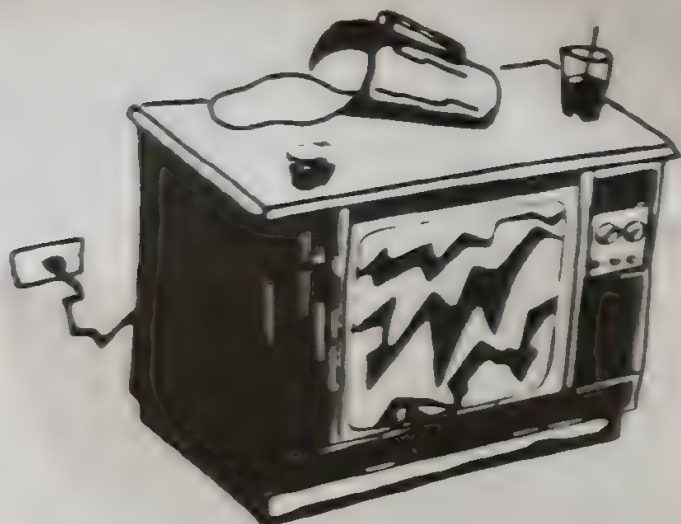
- 9** To avoid personal injury:
- Do not place a TV set on a sloping shelf.
 - Use only a cart or stand recommended for use with the instrument.
 - Do not try to roll a cart with small casters across thresholds or deep pile carpets.

USE

10 Always turn the TV set off if it is necessary to leave the room for more than a short period of time. Never leave it on when leaving the house. A possible malfunction may result in a fire hazard.

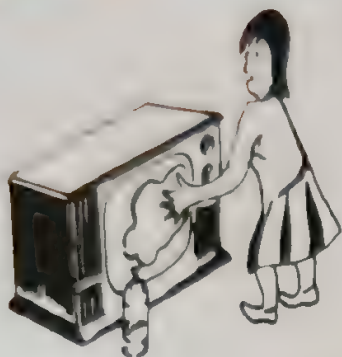
11 Caution children about dropping or pushing objects into the cabinet openings. Some internal parts carry hazardous voltages and contact can result in electrical shock. Objects dropped into a TV set may also result in a fire hazard. Be careful not to spill liquids into set.

12 If snapping or popping from the TV set is continuous or frequent while it is operating, unplug the TV set and consult your dealer or service technician. It is normal for some TV sets to make occasional snapping or popping sounds, particularly when being turned on or off.



13 Never expose the TV set to rain or water. If it becomes damp or wet, pull the plug and have it inspected by a service technician before further use. Rain or excessive moisture—even as a result of extended exposure on a back porch—may cause electrical shorts which can result in fire or shock hazards.

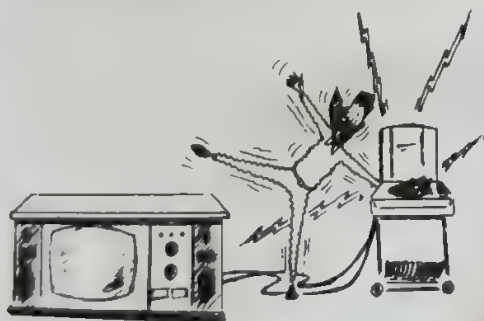
In general, it is good practice to keep your TV set away from all potentially wet areas such as bathtubs, laundry tubs, wet basements, etc.



14 Never operate the TV set if liquid has been spilled into it. Unplug the TV set and have it inspected by a service technician before further use. Spilled liquid inside can cause electrical shorts which can result in fire or shock hazards.

15 Turn off the TV set before cleaning the face of the picture tube. Use a slightly damp (not wet) cloth. Do not use an aerosol directly on the picture tube since it may over spray and cause electrical shock.

16 For added protection of the TV set during a lightning storm or when it is to be left unattended for an extended period of time, unplug it from the wall outlet and disconnect the antenna. This will prevent possible shock and fire hazard due to lightning storms or power line surges.



NEVER ADD ACCESSORIES WITHOUT APPROVAL OF THE MANUFACTURER

17 Never add accessories to a TV set that have not been designed for this purpose. Such additions may result in a shock hazard.

SERVICE

18 If you are unable to restore normal operation by following the detailed procedure in your Operation Instructions, do not attempt any further adjustments. Unplug the TV set and call your dealer or service technician.

19 A distinct change from normal performance may indicate a need for service. Unplug the TV set and call your dealer or service technician.

20 Removal of the back cover of the TV set or defeat of a power line interlock may expose you to very high voltage and other hazards. Observe all cautionary labels and warnings.

21 If the TV set has been dropped or the cabinet has been damaged, fire or shock hazard may exist. Unplug the TV set and have it checked by a service technician before use.

22 When replacement parts are required, have the service technician verify that the replacements he uses have the same safety characteristics as the original parts. Use of manufacturers specified replacements can prevent fire, shock, or other hazards.

23 Upon completion of any service or repairs to the TV set, please ask the service technician to perform the safety check described in applicable service literature.

24 When a TV set reaches the end of its useful life, improper disposal could result in a picture tube implosion. Ask a qualified service technician to dispose of the TV set.

SAFETY POINTS YOU SHOULD KNOW ABOUT YOUR TELEVISION

Only the most careful attention has been devoted to quality standards in the manufacture of your television set. Safety is a major factor in the design of every instrument. But, safety is YOUR responsibility too. This folder lists many helpful tips that will enable you to take fullest advantage of your new instrument. Please read it carefully and retain for later use.

Note: Contents of this folder are based in part on information compiled as a public service by the Consumer Electronics Group of the Electronic Industries Association—2001 Eye Street, N.W. Washington, D.C. 20006.

JCPenney

IMPORTANT PRODUCT SERVICE INFORMATION

JCPenney would like to thank you for purchasing your new television from us. It's a privilege to have you as a customer, and we know you'll enjoy your television for many years to come.

If there are any questions regarding the operation of your new television, or if you need to have it serviced, you may use the enclosed directory to locate your nearest RCA Service facility. You may also contact your nearest JCPenney Store or write to:

JCPenney Inc.
Product Service
1301 Avenue of the Americas
New York, NY 10019

In the event that parts are ever needed for your television, you may order them from any JCPenney Retail Store, or direct from our Parts Distribution Center listed below:

JCPenney Inc.
Regional Parts Center
6840 Barton Road
Morrow, GA 30260
ATTN: Customer Parts Section

When ordering parts, please be sure to include the model and Product Service Number of your television and the part number or description of the part needed. Please include your JCPenney, Visa, or Master Card charge account number if you would like to charge your parts purchase.

RCA Factory Service Centers

ALABAMA
RCA Factory Service Center #1873
10. Ross Street
Fayetteville, CA 94080
214-211-1111

ARIZONA
RCA Factory Service Center #1872
31. 10th Street
Phoenix, AZ 85001
602-254-1111

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1601 E. Edinger
Santa Ana, CA 92701
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RCA Factory Service Center #1727
133 Horsham Road
Horsham, PA 19044
215-887-7530

RCA Factory Service Center #1736
2615 Perkiomen Avenue Mt. Penn
Reading, PA 19606
215-779-4660

RCA Factory Service Center #1784
1419 W. 21st Street
Erie, PA 16502
814-452-3661

RCA Factory Service Center #1744
130 East 3rd Street
Williamsport, PA 17701
717-326-3711

RHODE ISLAND

RCA Factory Service Center #1674
855 Waterman Avenue
Waterman Office Park
E. Providence, RI 02914
401-434-0872/9151

SOUTH CAROLINA

RCA Factory Service Center #1763
714 Broad River Road
Columbia, SC 29210
803-772-8326
803-798-7212

RCA Factory Service Center #1765
1540 E. Wade Hampton Boulevard
Greenville, SC 29609
803-232-2364

TENNESSEE

RCA Factory Service Center #1756
314 Philfre Court
Nashville, TN 37217
615-361-8487

RCA Factory Service Center #1760
6508 Baum Drive
Knoxville, TN 37919
615-588-0681

RCA Factory Service Center #1844
2110 Airways Boulevard
Memphis, TN 38114
901-743-3262

RCA Factory Service Center #1752
4121 S. Creek Road
Chattanooga, TN 37408
615-698-2551

TEXAS

RCA Factory Service Center #1859
6018 53 1/2 Street East
Austin, TX 78751
512-452-4539

RCA Factory Service Center #1843
2755 Irving Boulevard
Dallas, TX 75207
214-631-8440
214-638-3533

RCA Factory Service Center #1840
510 Aldine Bender Road
Houston, TX 77060
713-445-8588

RCA Factory Service Center #1856
605 Mariposa Street
Beaumont, TX 77701
713-833-8639

RCA Factory Service Center #1839
13620 Gamma Road
Dallas, TX 75240
214-233-3377

RCA Factory Service Center #1850
5778 NW Loop 410
San Antonio, TX 78238
512-684-5550/5554

RCA Factory Service Center #1845
2515 E. Lancaster
Ft. Worth, TX 76103
817-535-0861

RCA Factory Service Center #1857
6814 Broadway
Galveston, TX 77552
713-744-7101

RCA Factory Service Center #1847
10615 Rockley Road
Houston, TX 77099
713-933-9710/8978

UTAH

RCA Factory Service Center #1874
845 W. 2500 S.
Salt Lake City, UT 84119
801-972-1200

VIRGINIA

RCA Factory Service Center #1746
2813 Carr Avenue
Fairfax, VA 22031
703-560-6000

RCA Factory Service Center #1758
3408 Azalea Garden Road
Norfolk, VA 23513
804-857-0626/0629

RCA Factory Service Center #1748
2205 Park Road
Richmond, VA 23230
804-288-7241

WASHINGTON

RCA Factory Service Center #1878
916 N. 143rd Street
Seattle, WA 98133
206-365-2100

RCA Factory Service Center #1884
3611 S. G Street
Tacoma, WA 98408
206-474-0671

WEST VIRGINIA

RCA Factory Service Center #1806
90 N. River Road
Wheeling, WV 26003
304-232-8353

RCA Factory Service Center #1807
608 Rock Lake Drive
S. Charleston, WV 25309
304-768-0051/0351

RCA Factory Service Center #1799
728 Main Street
Follansbee, WV 26037
304-527-0711

WISCONSIN

RCA Factory Service Center #1827
2605 Todd Drive
Madison, WI 53713
608-271-8611

RCA Factory Service Center #1813
3235 N. 10th Street
Milwaukee, WI 53222
414-781-3111

JCPenney

IMPORTANT PRODUCT SERVICE INFORMATION

JCPenney would like to thank you for purchasing your new television from us. It's a privilege to have you as a customer, and we know you'll enjoy your television for many years to come.

If there are any questions regarding the operation of your new television, or if you need to have it serviced, you may use the enclosed directory to locate your nearest RCA Service facility. You may also contact your nearest JCPenney Store or write to:

JCPenney Inc.
Product Service
1301 Avenue of the Americas
New York, NY 10019

In the event that parts are ever needed for your television, you may order them from any JCPenney Retail Store, or direct from our Parts Distribution Center listed below:

JCPenney Inc.
Regional Parts Center
6840 Barton Road
Morrow, GA 30260
ATTN: Customer Parts Section

When ordering parts, please be sure to include the model and Product Service Number of your television and the part number or description of the part needed. Please include your JCPenney, Visa, or Master Card charge account number if you would like to charge your parts purchase.

JCPenney

FOR SERVICE PERSONNEL ONLY

COLOR TELEVISION DATA

MODEL
685-2064

Service Adjustments

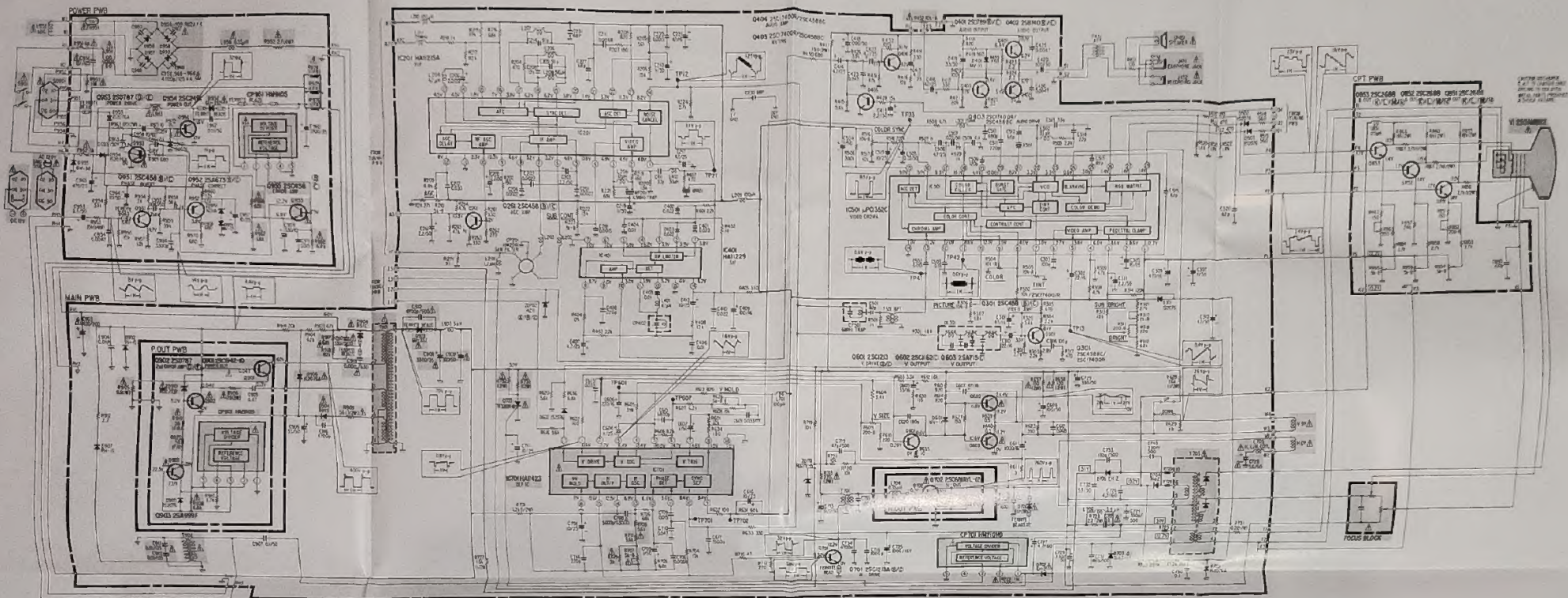
Schematics

Safety Precautions

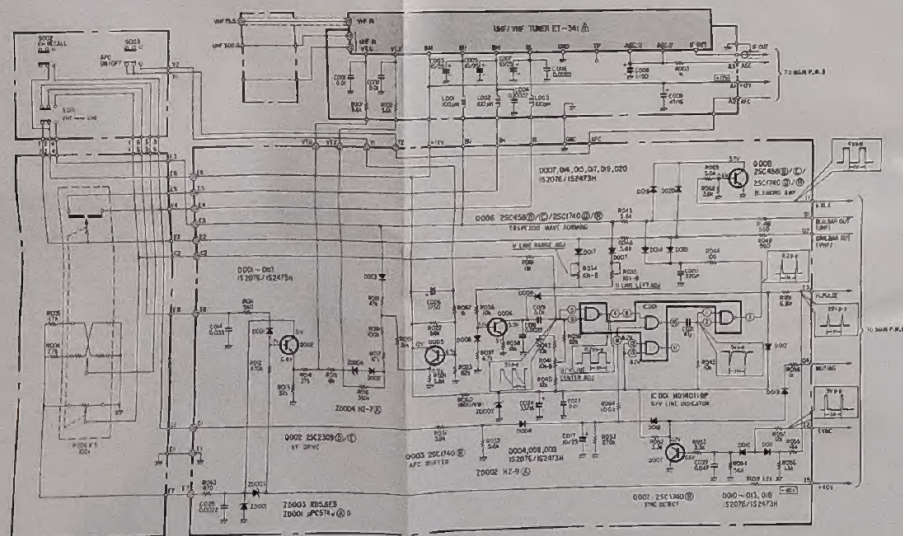
Replacement Parts

WARNING
SHOCK HAZARD
USE ISOLATION TRANSFORMER
DURING SERVICING.

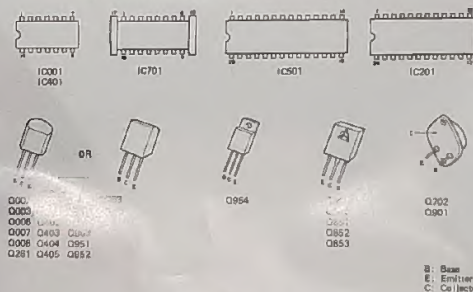
SCHEMATIC DIAGRAM MODEL 685-2064



SELECTOR BLOCK BASIC CIRCUIT DIAGRAM



TERMINAL VIEWS OF SEMICONDUCTORS



B: Base
E: Emitter
C: Collector

WAVEFORMS

1. All waveforms are taken using a wideband oscilloscope with a low capacitance probe.
2. The TUNE, COLOR and PICTURE Controls are set to mid-positions, and BRIGHTNESS Control is set to maximum.
3. Waveforms in message are taken with an air signal.
4. The color amp. control of the color bar generator is set to obtain 0.1 Vp-p chrominance signal on oscilloscope when observing waveform of terminal TP12.

NOTES:

1. Resistance values are in OHM: K = 1,000, M = 1,000,000.
2. Capacitance values 1 and above are in pF, and less than 1 are in mfd., unless otherwise noted.
3. Inductance values 1 and above are in μ H, and less than 1 are in H.
4. Voltage are measured to chassis ground with a VTVM in normal color reception at rated line voltage (AC 120V), and should hold within $\pm 20\%$ except H.V.
5. This is a fundamental schematic diagram and may slightly differ from the actual circuit.

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" IN THIS SHEET.

CAUTION: The shaded areas in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. Before replacing any of these components, read carefully the product safety notice in this sheet. Do not degrade the safety of the receiver through improper servicing.

